

## CLAIMS:

1. A system (1) for suppressing audio distortion, comprising a circuit arrangement (g, 7) of:
  - echo cancelling means (g,  $g_i$   $i=1, 2, \dots$ ) coupled between an audio output (4) and a distorted desired audio sensing microphone array (3), and
  - 5 - a filter arrangement (7) coupled to the echo cancelling means (g,  $g_i$   $i=1, 2, \dots$ ) and/or the microphone array (3), the filter arrangement (7) including filter coefficients representing at least a part of the audio distortion, the system (1) comprising an at least partly mirrored circuit arrangement ( $g', 7'$ ) for copying thereby simulated audio distortion representative filter coefficient values into the filter coefficients of said filter arrangement
  - 10 (7).
2. The system (1) according to claim 1, wherein the filter arrangement includes a beamformer (7).
- 15 3. The system (1) according to claim 2, wherein the beamformer comprises a filter and sum beamformer (7) and/or a delay and sum beamformer (7).
4. The system according to claim 1, wherein the system comprises coefficient value copying means (C1, C2, C3) between the circuit arrangement (7,  $g_i$   $i=1, 2, \dots$ ) and the at
- 20 least partly mirrored circuit arrangement ( $7', g_i' i=1, 2, \dots$ ).
5. The system (1) according to claim 1, wherein the beamformer (7) is arranged to be adaptive to the reverberation distortion and/or the desired audio signal sensed by the microphone array (3).
- 25 6. The system (1) according to claim 1, wherein the system (1) is arranged for updating the mirrored filter coefficients.

7. The system (1) according to claim 1, wherein each microphone (3-1, 3-2) of the microphone array (3) has at least partly individualised echo cancelling means (g,  $g_i$   $i=1, 2, \dots$ ).
- 5 8. A circuit arrangement (g, 7) for use in the system (1) according to any one of the claims 1-7.